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MODIFIED POLYURETHANE ELASTIC  
YARN

## Abstract:

**PURPOSE:** To obtain a modified polyurethane elastic yarn having antimicrobial properties and deodorizing performances without damaging fiber physical properties, maintaining these performances even by dyeing.

**CONSTITUTION:** A solution of polyurethane polymer is blended with porous silica microcapsules including an antimicrobial agent and amorphous silicate powder selected from a bivalent heavy metal of zinc, copper or nickel and the solution is spun.

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